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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/582,757	09/05/2000	Armand Nachev	T2147-906524	2768

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EXAMINER

HOANG, PHUONG N

ART UNIT PAPER NUMBER

2126

DATE MAILED: 02/25/2004

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Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/582,757

Applicant(s)

NACHEF ET AL.

Examiner

Phuong N. Hoang

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 December 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 11 - 33 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 11 - 33 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. ____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 14.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

1. This office action is in response to the paper number 13, Amendment C, filed on 12/11/03. Claims 11 – 33 are presented for examination.
2. The cross references related to the application cited in the specification, filed on 9/5/00, paper number 4, must be updated (i.e. update the relevant status, with PTO serial numbers or patent numbers where appropriate, on pages 1 – 2; the entire specification should be revised).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 11 – 16, 18 – 19, and 25 – 33 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haven, US patent no. 5,732,263, in view of Halviatti, US patent no. 5,475,843.**

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5. **As to claim 11**, Havens teaches a method for dynamically generating an object class in a computer system, comprising the steps of:

creating a global generic class (run-time user object class generation, col. 8 lines 15 – 50 and fig. 10) having a first member being related to at least one attribute and a second member being related to at least one method (attributes and methods, col. 8 lines 29 – 67);

instantiating the global generic class in order to have generate the object class (run-time user object instantiation, col. 9 lines 1 – 50).

Haven does not explicitly teach the step of wherein at least one member is an instance of a generic class, the generic class having at least a name as an attribute.

Halviatti teaches the step of wherein at least one member is an instance of a generic class, the generic class having at least a name as an attribute (attribute is name, col. 6 lines 60 – 65 and col. 30 lines 15 – 50).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Haven and Halviatti's system because Halviatti's member in an instance of a generic class would provide more choices of attributes names.

6. **As to claim 12**, Havens teaches the step of wherein at least one the first member is an attribute of the global generic class, the first member being an instance of a generic attribute class (attributes class, col. 8 lines 29 – 67).

7. **As to claims 13 and 14**, Havens teaches the step of wherein at least one the second member is a method of the global generic class, the second member being an instance of a generic method class (method class, col. 8 lines 29 – 67).

8. **As to claims 15 and 16**, Havens teaches the step of wherein the method of the global generic class is defined by at least one parameter (attributes and methods, col. 8 lines 29 – 67) derived from an instance of a generic parameter class.

9. **As to claims 18, and 25 - 30**, Havens teaches the step of wherein the method is implemented in a command interface (input device 22 such as keyboard or mouse, col. 5 lines 45 – 59) used of the computer system.

10. **As to claim 19**, Havens teaches the step of wherein the method is implemented the global generic class and the generic class is created by a designer who is a computer expert (program is written by programmer, col. 10 lines 30 – 34), and using the command interface used for the computer system by a user who may not be a computer expert uses the command interface to instantiate the global generic class created by the designer to generate the object class (users can take Object classes, col. 7 lines 12 – 24).

11. **As to claim 31**, it is the system claim of claim 11. See rejection of claim 11 above.

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12. **As to claim 32**, see rejection for claim 25 above.

13. **As to claim 33**, see rejection for claim 19 above.

14. **Claims 17, and 20 - 24 are rejected under 35 U.S.C. 103(a) as being unpatentable over Haven, US patent no. 5,732,263, in view of Halviatti, US patent no. 5,475,843, and further in view of Stuz, US patent no. 5,485,617.**

15. **As to claims 17, and 20 - 24**, Havens and Halviatti do not teach the step of automatically generating the global generic class and the generic class by means of a tool having respective dialog boxes defining attributes of these classes, including name attribute of the generic class.

Stuz teaches the step of automatically generating the global generic class and the generic class by means of a tool having respective dialog boxes (generating ... using the dialog box, col. 12 lines 6 – 15) defining attributes.

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teaching of Havens, Halviatti, and Stuz's system because Stuz's dialog box would provide more user-friendly way of defining attributes of classes.


Conclusion

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong N. Hoang whose telephone number is (703) 605-4239. The examiner can normally be reached on Monday - Friday 9:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (703)305-9678. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ph
February 20, 2004


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